Title (en)
   HYDROCYCLONE

Title (de)
   HYDROZYKLON

Title (fr)
   HYDROCYCLONE

Publication
   EP 1945328 B1 20120404 (EN)

Application
   EP 06783891 A 20060816

Priority
   • NL 2006000424 W 20060816
   • NL 1029747 A 20050816

Abstract (en)
   [origin: WO2007021181A1] The present invention relates to a separating cyclone for separating a mixture of liquids into a heavy fraction, the cyclone comprising: - a cyclone tube (2) in which a flow space is defined, wherein the cyclone tube is provided with an inlet for infeed of a mixture of at least two different liquids, a heavy fraction outlet for discharging the heavy fraction separated from the mixture and a light fraction outlet for discharging the light fraction separated from the mixture; - a rotation generating unit (8) for setting into rotation the mixture fed in via the inlet; - a flow body (6) arranged substantially concentrically in the cyclone tube, in which body is provided a light fraction discharge channel (12) connected to the light fraction discharge, wherein the discharge channel has in flow direction a cross-section substantially decreasing along at least a portion of the length thereof .

IPC 8 full level
   B04C 3/06 (2006.01); **B01D 17/02** (2006.01); **B01D 19/00** (2006.01); **B01D 21/26** (2006.01); **B01D 45/16** (2006.01); **B01D 53/24** (2006.01); **B04C 5/13** (2006.01); **B04C 11/00** (2006.01); **E21B 43/34** (2006.01)

CPC (source: EP NO US)
   B01D 17/02 (2013.01 - NO); **B01D 19/00** (2013.01 - NO); **B01D 19/0057** (2013.01 - EP US); **B01D 21/26** (2013.01 - NO); **B01D 45/16** (2013.01 - EP NO US); **B01D 53/24** (2013.01 - EP US); **B04C 3/06** (2013.01 - EP NO US); **B04C 5/13** (2013.01 - EP NO US); **B04C 11/00** (2013.01 - EP NO US); **E21B 43/34** (2013.01 - NO); B01D 2257/702 (2013.01 - EP US)

Designated contracting state (EPC)
   AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
   WO 2007021181 A1 20070222; **WO 2007021181 A9 20080605**; AT E552051 T1 20120415; AU 2006280554 A1 20070222; AU 2006280554 B2 20111117; BR PI0614802 A2 20110412; BR PI0614802 B1 20180214; CA 2619710 A1 20070222; CA 2619710 C 20130423; CN 101287529 A 20081015; CN 101287529 B 20120718; EP 1945328 A1 20080723; EP 1945328 B1 20120404; NL 1029747 C2 20070219; NO 20081303 L 20080513; NO 340564 B1 20170515; US 2010006516 A1 20100114; US 8353411 B2 20130115

DOCDB simple family (application)
   NL 2006000424 W 20060816; AT 06783891 T 20060816; AU 2006280554 A 20060816; BR PI0614802 A 20060816; CA 2619710 A 20060816; CN 200680038206 A 20060816; EP 06783891 A 20060816; NL 1029747 A 20050816; NO 20081303 A 20080312; US 99055006 A 20060816